

Amendment to the Abstract:

Please replace the abstract in the above identified application as follows.

A method and apparatus for communicating in an OFDM system whereby data subcarriers associated with a first antenna of at least two transmit antennas are multiplexed with data symbols while modulating other subcarriers associated with other antennas with zero. The data subcarriers are separated between the at least two transmit antennas so that a data subcarrier and a mirror data subcarrier are not transmitted from a same transmit antenna and that adjacent data subcarriers are at least two subcarrier frequency bandwidths apart. In an embodiment, the method and apparatus further comprise receiving the transmitted subcarriers from at least two receive antennas where the transmitted data subcarriers are also separated so that the data subcarrier and the mirror data subcarrier are not received from a same receive antenna of the at least two receive antennas. The method and apparatus further comprises combining the received transmitted subcarriers from the at least two receive antennas into a single data stream.